



# ***DARPA*Tech**

## ***2002 Symposium***

*Transforming*  
***Fantasy***



**Alan Adler**  
Director,  
Tactical Technology Office



# Tactical Technology Office



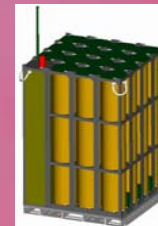
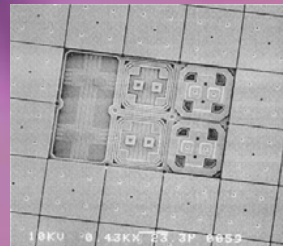
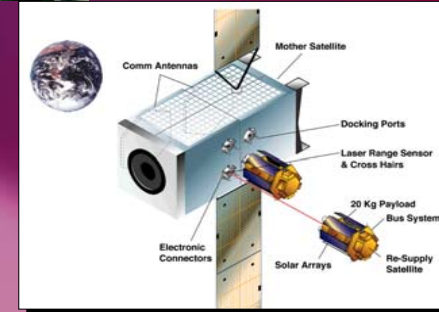
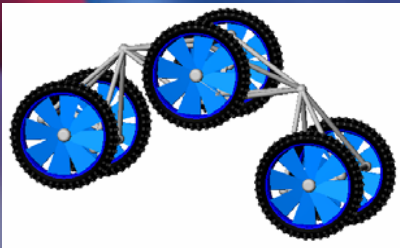


# TTO Thrusts

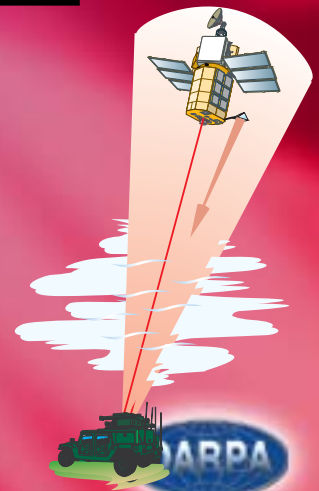
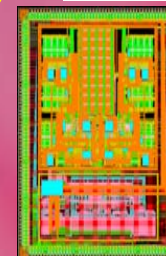
## UNMANNED SYSTEMS



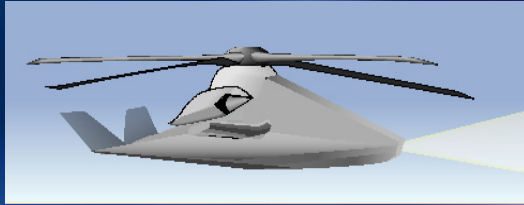
## SPACE SYSTEMS



## TACTICAL MULTIPLIERS



# Increasing Challenge of Autonomy



**UCAR**



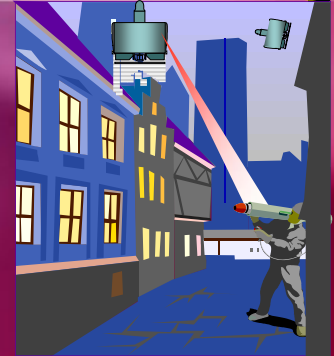
**UCAV**



**UCAV-N**



**OAV**



**OAV**



**TMR**



**Global Hawk**



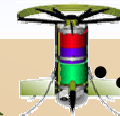
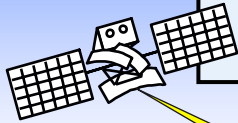
**A160**



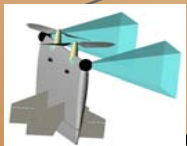
**UGCV**

# OAVs: Part of Multi-Tiered ISR

Highly Survivable  
Upper Tier – Target Acquisition,  
Cueing And Prosecution



Organic Air Vehicles  
Act As the Lower Tier  
- Local RSTA





# A160 in Auto Hover



**Hummingbird A160**  
**Frontier Systems Inc.**

# OAV: LADF Scalable Solution



**Large Vehicles**



**Small Vehicles**



**Micro Vehicles**

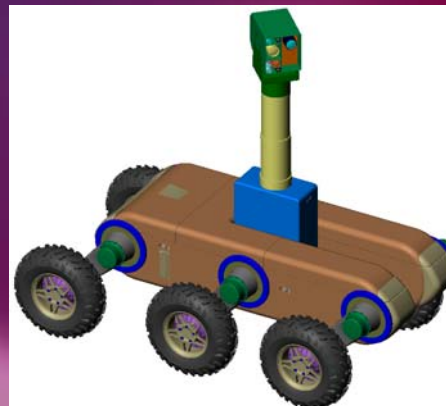
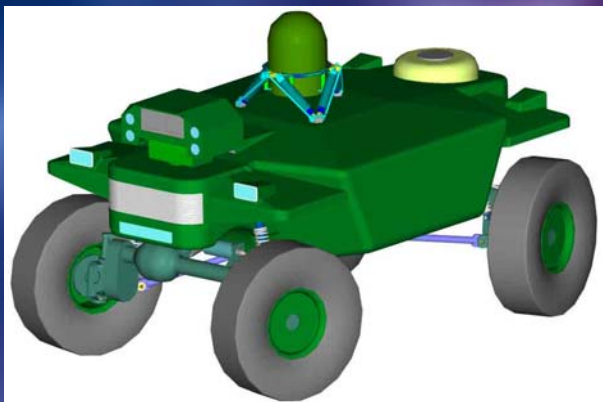




# UGCV Phase 1B Designs



## 150 kg Payload Carriers



## 1500 kg Payload Carriers

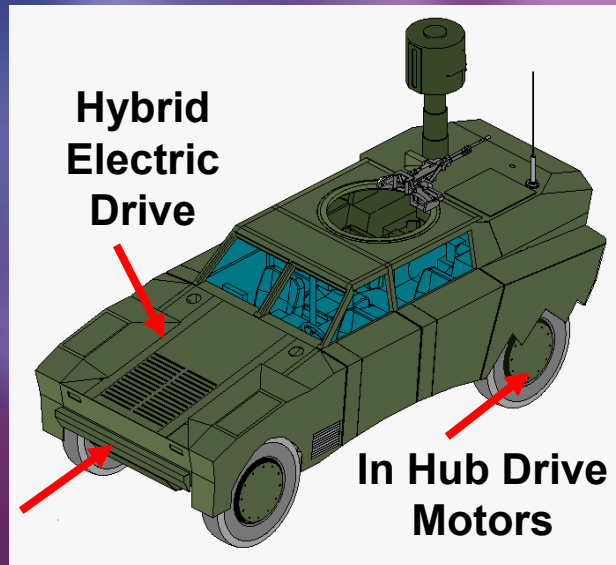
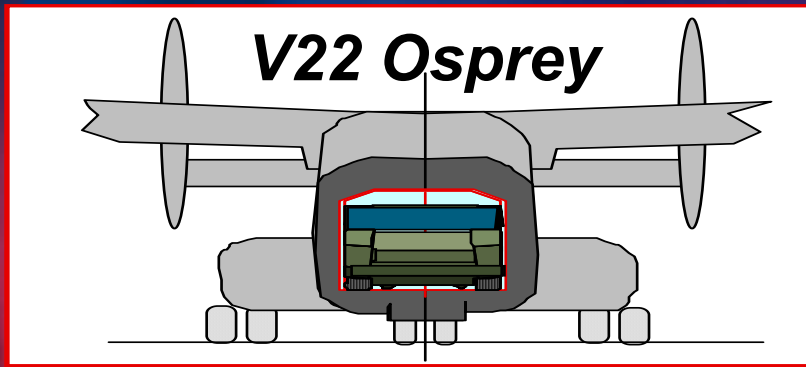


# QSP Program Summary





# Reconnaissance, Surveillance & Targeting Vehicle (RST-V)







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